



E N G I N E E R S , I N C .

TFS Engineers, Inc. is a Greenville, South Carolina based engineering firm offering Mechanical Engineering design and consulting services. Our team has over 15 years of experience providing HVAC, plumbing and process piping design services for a wide variety of facilities and clients in the Southeastern region of the US. Our background experience includes industrial facilities, educational and higher educational facilities, low and mid-rise office buildings, religious structures, commercial buildings, and research laboratories. We are experienced in new building design, renovation design, feasibility studies, and energy analysis.

TFS Engineers is extremely responsive to our clients needs. We work closely with the client to determine the precise requirements for each project. Our professional team strives to ensure every project is completed on schedule, within the owner's budget, and the final product is to the owner's satisfaction. Ensuring client satisfaction is our goal. Ninety percent of our company's business is provided by repeat clients.

TFS Engineers is well equipped and experienced in providing quality Mechanical Engineering design expertise and technical competence to manage large and small projects. Our design team has experience with projects ranging in construction cost from less than \$250,000 up to \$100 million.



E N G I N E E R S , I N C .

Over 15 Years Experience in HVAC and Plumbing Engineering

Industrial • Educational • Commercial • Religious

Public Education



The New Blythe Academy of Languages Greenville, South Carolina

Provided HVAC and plumbing design for the new 119,752 ft² two-story school with a capacity of 1,000 students. The school was constructed in one phase on the existing school site. The existing elementary school was demolished prior to construction.



HVAC Renovations – 1939 Building Easley High School Easley, South Carolina

Project involved replacement of the existing HVAC systems in a 40,000 ft² historic structure. This renovation included installation of new unit ventilators, pumps, and heat exchangers. In addition, the project included lighting and electrical upgrades.

Commercial



Builder Marts of America Headquarters Greer, South Carolina

Provided HVAC and plumbing design for a new two-story 50,000 ft² headquarters with information technology facility and call center. The HVAC system consisted of a rooftop fan-powered variable air volume system and computer room conditioning unit for the Information Technology Center. Building was occupied in the spring of 2002.



Pickens County YMCA Branch Facility Pickens, South Carolina

HVAC and plumbing design was provided for this 25,000 SF Facility which includes a pool, aerobics center, weight training room, offices, locker room and community meeting room. These areas are conditioned with rooftop gas fired air conditioning units. The natorium design includes a 35 ton rooftop pool dehumidification unit.



Carolina Phone Headquarters, (Brookfield Office Park) Mauldin, South Carolina

HVAC and plumbing design was provided for a new 75,000 ft² corporate headquarters. The facility contained an information technology facility, call center, and telephone switching, receiving, and transmission facilities. The HVAC system consisted of roof top fan-powered variable air volume systems and computer room environmental control equipment.

Religious



Brookwood Community Church Mauldin, South Carolina

This project consisted of HVAC, Plumbing, and Fire Protection design services for a new 115,000 SF facility. This included substantial classroom and office space, several chapel and performance areas, and a 2500+ seat sanctuary. The HVAC systems consisted of rooftop single zone and fan-powered variable air volume equipment with particular attention to sound and vibration attenuation.



Morningside Baptist Church Greenville, South Carolina

This project involved the HVAC design services for an addition to the facility. The addition consists of a 2,000 seat sanctuary, classrooms, administrative offices, welcome center and nursery facilities. The HVAC system consists of roof top air conditioning systems.



Rocky Creek Baptist Church Family Life Center Greenville, South Carolina

This project involved HVAC design services for a 32,000 ft² addition to the existing church building. This addition consisted of a gymnasium, fellowship hall, and classroom spaces. The HVAC systems consist of split system heat pump equipment.

Higher Education



Hardin Hall Clemson University Clemson, South Carolina

Hardin Hall was an historic renovation on which we were involved as mechanical consultants. The original structure was completed in 1890 with additions in 1900 and 1937. Renovations were made to the 1890 and 1900 portions of the building with the 1937 addition demolished and replaced with a three-level addition. The renovated facility contains a lecture hall, administrative space, faculty and graduate student offices, classrooms, and seminar rooms. The building contains an FVAV air handling system utilizing heating water converted from campus steam for building heat and campus chilled water for cooling. A new domestic water system and new plumbing fixtures were installed, as well as a complete fire protection system.



Sims Math and Science Building Winthrop University Rock Hill, South Carolina

90,000 ft² classroom and laboratory building constructed in the early 1960s. Provided complete HVAC and plumbing, provided new 4-pipe fan-powered VAV system connected to the campus chilled water and steam distribution system. Also provided VAV laboratory exhaust and supply systems and worked within the constraints of the existing structure.

Hunter Hall Clemson University Clemson, South Carolina

Hunter Hall is a four-story chemistry teaching and research facility constructed in the mid-1980s. Our team designed renovations and additions to the existing supply air and fume hood exhaust systems. These renovations were necessary to meet current exhaust and supply air requirements. This project involved isolating the fourth floor from the existing supply and exhaust systems. New rooftop air handling units were installed and connected to the existing duct system. Steam, chilled water, and power were provided from existing building systems. These renovations enabled the entire facility to achieve current air flow requirements. Construction for this project was also phased to allow continuous teaching and research in the facility.



Industrial



Various Projects – Kemet Electronics Mauldin, Simpsonville, Fountain Inn, and Greenwood, South Carolina Shelby, North Carolina

Provided HVAC, plumbing, process piping and process exhaust design in a number of locations. Facilities included production areas, class 100 clean rooms, and laboratories.



Automobile Tire Manufacturer Research Center South Carolina Various Projects

Provided HVAC, plumbing, and piping design services for the research center of an international tire manufacturer. These projects included research laboratories and test booths. The research laboratory project required precision control of environmental conditions and exhaust of toxic fumes, hazardous waste piping and neutralization design, and laboratory gas piping.



Seeber USA, Duncan South Carolina Various Projects

Provided HVAC, plumbing, and process piping design services for a plastics manufacturer providing injection molded plastics to automotive manufacturers. These projects included a 200,000 ft² manufacturing expansion and a 40,000 ft² paint booth addition. The manufacturing expansion consisted of roof top gas fired air conditioning equipment, extensive compressed air piping and compressors, process cooling water, and industrial exhaust. The paint booth addition consisted of roof top environmental control units to supply temperature and humidity controlled outside air to a field constructed paint booth.